

Chemicals Company Environmental Affairs Department P.O. Box 1139R Morrislown, New Jersey 07960



November 14, 1980

EPA Region V RCRA Activities P. O. Box 7861 Chicago, IL 60680

Subject: RCRA Permit Application (Part A)

Allied Chemical Calumet Works

EPA ID #ILD001833714

Dear Sir:

Pursuant to, 40 CFR Part 122, we herewith submit the subject permit application including Forms 1 and 3.

The process listing in Form 3, Section III is based on our interpretation of the RCRA regulations and the EPA Guide to the Regulations, and in some cases on discussions with EPA personnel.

The description of hazardous wastes listed in Form 3, Section IV is understood to be a current representation of our operations. However, such description may change as a result of alternate use or variation in raw materials, reagents, treating agents and/or manufacturing process variations.

The facility drawing for Form 3, Section V is our collective recollection at the present time regarding areas of past storage, treatment or disposal operations. We reserve all legal and other rights concerning this matter because of the considerable passage of time since the facility began operations.

If you have any questions about this application, please call the facility contact listed in Form 1.

Very truly yours,

1. Sobel

R. Sobel, Director Environmental Control

FORM SNIFR	&EP	A (Rec	Cons	olidate	d Permits P	MATION (rogram) before starting.)	FILD Ø Ø 1 8 3		7 1	43
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C. RCRA (Hazardous Wastes)	E. OTHER (specify)		
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XI. MAP	And in the second		
Attach to this application a topographic map of the area extended the outline of the facility, the location of each of its existing the second of the facility.			
treatment, storage, or disposal facilities, and each well whe		rground. Include all springs, riv	
water bodies in the map area. See instructions for precise req		F9: A/50	
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I certify under penalty of law that I have personally examine			
attachments and that, based on my inquiry of those pers	sons immediately respor	nsible for obtaining the informa	tion contained in the
application, I believe that the information is true, accurate false information including the possibility of fine and impri		vare that there are significant po	enaities for submitting
false information, including the possibility of fine and impri			C. DATE SIGNED
A. H. Eaker	B. SIGNATURE		•
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III.5.

A pail (approx. 10 gal.) is used to neutralize sulfuric acid filter cartridges. Approximately 30 gals. per week of sulfuric acid are neutralized in this system. Neutralized waste to main acid water treatment plant.

III.2.

Corrosive liquor is sold for reuse. May require disposal if sales decline in the

- IV. DESCRIPTION OF HAZARDOUS WASTES

 A. EPA HAZARDOUS WASTE NUMBER Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	. , P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

PROCESSES

1. PROCESS-CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- 1. Selectione of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.

 In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter
- "included with above" and make no other entries on that line.
- 3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

	۾	A. EPA			C. UNIT			D. PROCESSES										
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EPA Form 3510-3 (6-80)

PAGE 2 OF 5

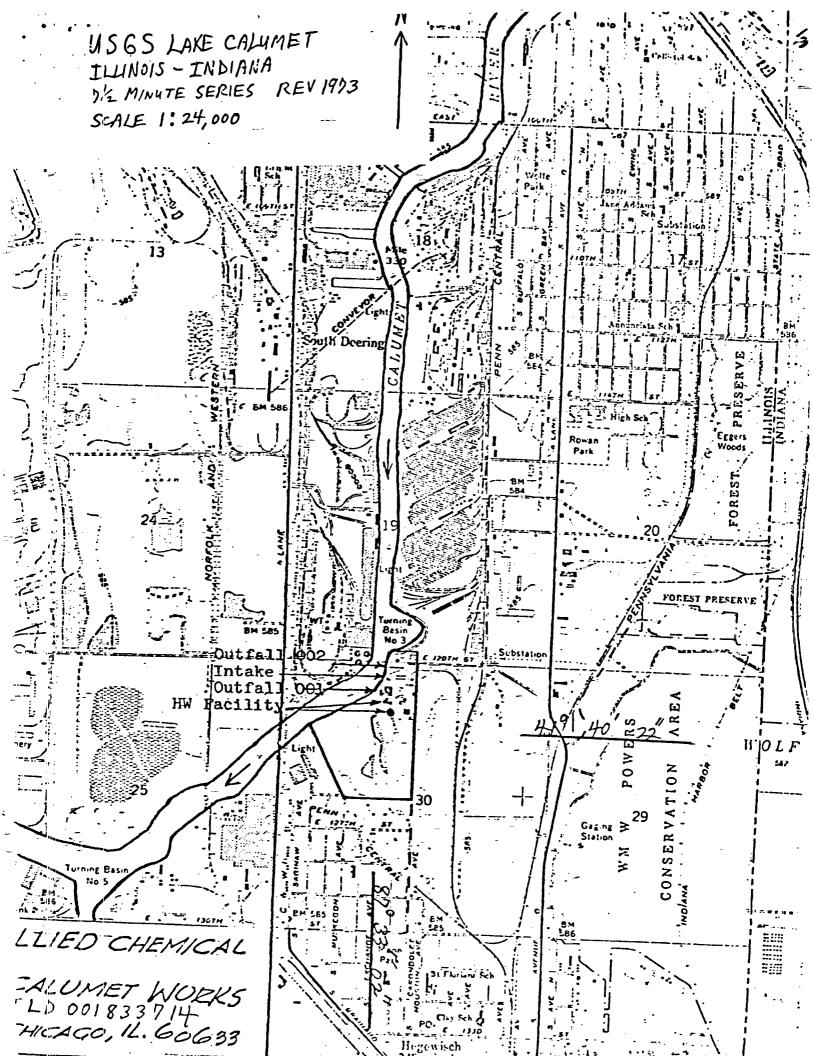
CONTINUE ON PAGE 3

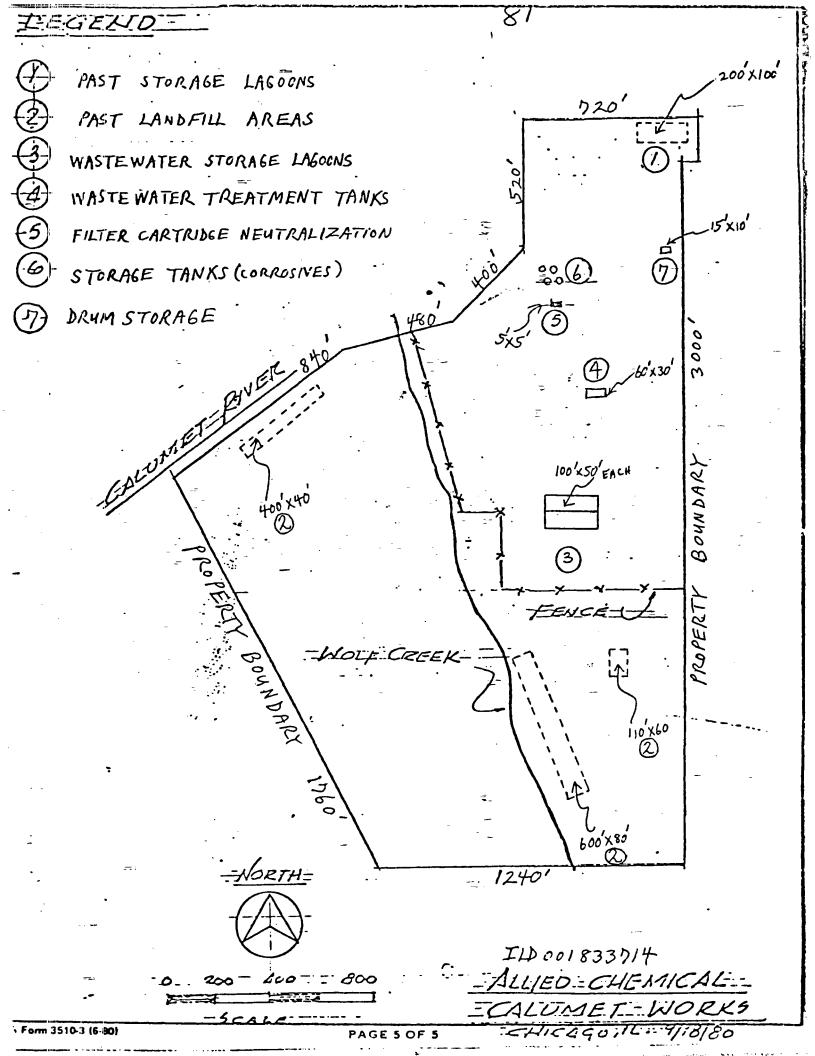
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V. FACILITY DRAWING All existing facilities must include in the space provided on p		one for more d	etail			7		
VI. PHOTOGRAPHS	age of a scale distant of the lactify face instruction	uns for more o	2011		-6.	<u>/5</u>) - 12:22	ere en
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treatment and disposal areas; and sites of future stora					istnig	F		<u>A</u>
VII. FACILITY GEOGRAPHIC LOCATION			1.00	82.7	1 (T	200	- T	30
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VIII. FACILITY OWNER			2	姓名				uo V
$\overline{\mathbb{Z}}\mathbb{A}$. If the facility owner is also the facility operator as li-	sted in Section VIII on Form 1, "General Informa	ation", place a	n "X	" in th	e box	o the	left a	nd
skip to Section IX below.								
B. If the facility owner is not the facility operator as lit	sted in Section VIII on Form 1, complete the fol	lowing items:						
1 NAME OF FACIL	ITY'S LEGAL OWNER		7 2	PHO	NE NO	larca	code	A 20 1
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3. STREET OR P.O. BOX	A. CITY OR TOWN	1	5T.	- 31	55 -	ZIP CO		
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F	(G)	40 41	إيا		للب		1	
IX. OWNER CERTIFICATION				7,3	100	1		
I certify under penalty of law that I have personally of	examined and am familiar with the informa	tion submitte	ed in	this	and al	attac	hed	
documents, and that based on my inquiry of those in	dividuals immediately responsible for obtain	ning the info	rma	tion, i	' belie	ve tha	t the	
submitted information is true, accurate, and complete including the possibility of fine and imprisonment.	e. I am aware that there are significant pena	alties for s ubi	mitt	ing fai	se info	ormat	ion,	₹.
	*NOTE ABOVE							
A. NAME (print or type)	B. SIGNATURE	ſ	. DA	TESI	GNED			-
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			25-0	100	حجاز يون	7 7 7 7 Y		ুলুকার বুলুকার
X, CPERATOR CERTIFICATION			-		وغالن ث		1	YY
I certify under penalty of law that I have personally of								
documents, and that based on my inquiry of those in submitted information is true, accurate, and complet								•
including the possibility of fine and imprisonment.		,		J .u.			,	
A. NAME (print or type)	B. SIGNATURE		. D.A	TE SI	GNED			
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EPA Form 3510-3 (6-80)	PAGE 4 OF 5				CON	TINU	E ON	PAGE

IV. DISCRIPTION OF HAZARDOUS WAS Continued) DEALE CONTINUED CONTIN





ENVIRONMENTALLY RELATED PERMITS

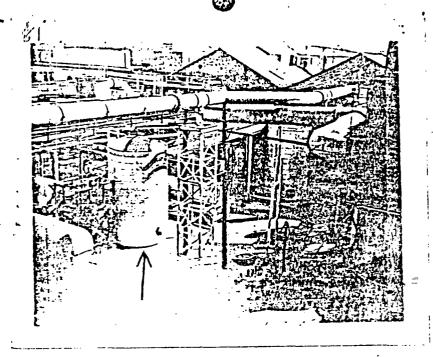
IEPA Operating Permits:

Permit Number	Process =
031600ALC AC-OP-77	Aluminum Chloride Plant
Ø31600ALC AC-OP-77	Sodium and Ammonium Salts Plant
931690ALC KRNELIMING	Koreon Manufacturing Facility
Ø31600ALC Acid Plant	Sulfuric Acid Plant and SO3 Recovery Plant
031600ALC Vogt Boiler	Vogt Boiler

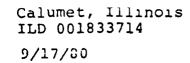
IEPA Special Waste Permits:

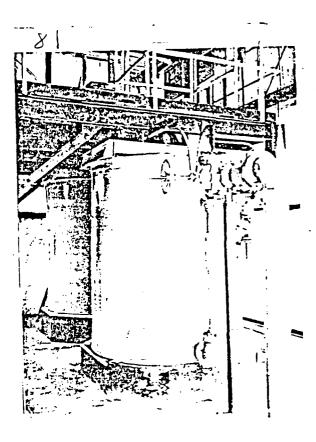
Permit Number	Special Waste
8ø0'829	sodium sulfate, bisulfite and sulfite solution
801321	mixed trivalent chrome sulfate/lime/dirt
781482	iron bydroxide
801327	mixed sulfuric acid/soda ash/dirt
791883	hypo filter sludge
791814	chromium sulfate solution residue
782568	sodium bisulfite liquor
7928 51	aluminum chloride residue

City of Chicago Operating Permit - #28

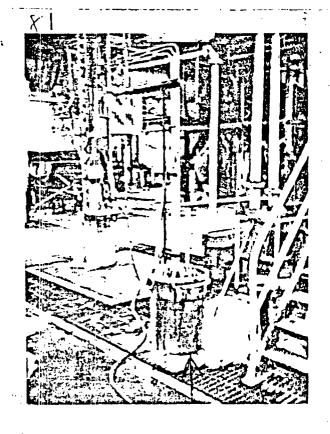


CORROSIVE WASTE STORAGE TANKS

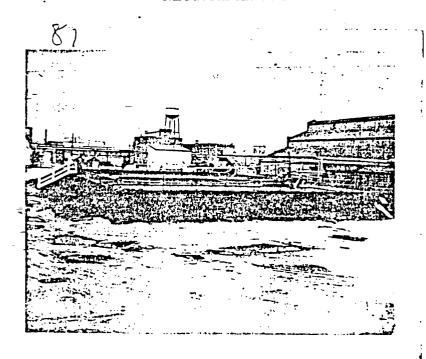




CORROSIVE WASTEWATER NEUTRALIZATION TANKS

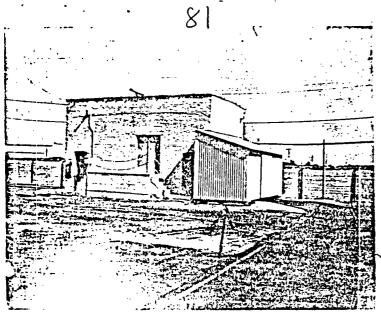


SULFURIC ACID FILTER CARTRIDGE NEUTRALIZATION SYSTEM



CORROSIVE WASTEWATER STORAGE IMPOUNDMENTS

Calumet, Illinois ILD 001833714 9/17/80



IGNITABLE WASTE DRUM STORAGE